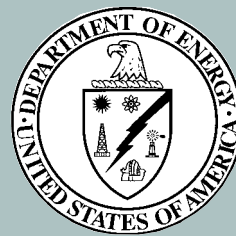


Standards Actions— August 2002

Visit the Technical Standards
Program Web Site at
<http://tis.eh.doe.gov/techstds/>.

Standards Actions



DOE Technical Standards Program Document Status

07-31-2002

Activity Summary

In Conversion – 4

In Preparation – 44

Out for Comment – 17

Published this Month – 2



5-year Review Status

Revision in Progress – 11

Reaffirmation in Progress – 10

Cancellation Pending – 7

Cancellation in Progress – 1

No Current Action – 19

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DOE Technical Standards Projects Initiated

If you have any questions or are interested in participating in the development of these standards, please contact the representatives listed below. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site (<http://tis.eh.doe.gov/techstds/>). To access these lists from the home page, click on DOE Technical Standards, then click on Projects in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards projects were recently initiated:

- *Environmental Restoration Functional Area Qualification Standard*, Project Number TRNG-0027, Project Contact: Joe Arango, U.S. Department of Energy, Preparing Activity: EM-5, 202-586-7599; fax: 202-586-4314; Joseph.Arango@hq.doe.gov.
- *Waste Management Functional Area Qualification Standard*, Project Number TRNG-0028, Project Contact: Joe Arango, U.S. Department of Energy, Preparing Activity: EM-5, 202-586-7599; fax: 202-586-4314; Joseph.Arango@hq.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on this draft. The full text of the document is available on the TSP Web Site. If you wish to comment on this document, please notify your TSM.

The following draft DOE Technical Standards were recently distributed for coordination:

- *Integration of Multiple Hazard Analysis Requirements and Activities*, Project Number SAFT-0085; Dave Pegram, U.S. Department of Energy, EH-52; 301-903-9840, Dave.Pegram@eh.doe.gov. Comments are due September 25, 2002.
- *Guidance for Preparation of Basis for Interim Operation (BIO) Documents*, Project Number SAFT-0087; Richard Englehart, U.S. Department of Energy, EH-53; 301-903-3718, Richard.Englehart@eh.doe.gov. Comments are due September 9, 2002.
- *Environmental Compliance Functional Area Qualification Standard*, Project Number TRNG-0023; Joseph Arango, U.S. Department of Energy, EM-5; 202-586-7599, Josesph.Arango@em.doe.gov. Comments are due September 30, 2002.

DOE Technical Standards Recently Reaffirmed

The reaffirmation notification process for these standards has been completed in accordance with the Technical Standards Program Procedures. Please direct any questions or comments to Peter O'Connell, EH-52, 301-903-5641, Peter.O'Connell@eh.doe.gov.

- DOE-HDBK-1109-97, Change Notice 1, *Radiological Safety Training for Radiation-Producing (X-Ray) Devices*.

- DOE-HDBK-1110-97, Change Notice 1, *ALARA Training for Technical Support Personnel*.

DOE Technical Standards Project Discontinued

The following DOE Technical Standards project was recently discontinued.

- *Guidance for Preparation of DOE 5480.22 (TSR) and DOE 5480.23 (SAR) Implementation Plans*, Project Number SAFT-0076, (revision of DOE-STD-3011-94).

The project was superseded by SAFT-0087, *Guidance for Preparation of Basis for Interim Operation (BIO) Documents*, which is also a revision to DOE-STD-3011-94. If you have any questions about this action, please contact the author for the projects: Richard Englehart, 301-903-3718, Richard.Englehart@eh.doe.gov

DOE Technical Standards Recently Published

The following DOE Technical Standards were recently published and posted on the TSP Web Site:

- DOE-HDBK-1109-97, Change Notice 1, *Radiological Safety Training for Radiation-Producing (X-Ray) Devices*.
- DOE-HDBK-1110-97, Change Notice 1, *ALARA Training for Technical Support Personnel*.

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; 1-800-473-4375, Fax 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; 703-605-6000, Fax 703-605-6900.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ANS 19.11-1997, *Calculations and Measurements of the Moderator Temperature Coefficient of Reactivity for Water Moderated Power Reactors* (reaffirmation of ANSI/ANS 19.11-1997) – August 26, 2002.
- ASME BPVC Revision: 2002 Addenda, *ASME Boiler and Pressure Vessel Code* (5/18/01 Mtg) (revision of ANSI/ASME BPVC Revision: 2001 Edition) – September 24, 2002.
- ASME N509-200x, *Nuclear Power Plant Air-Cleaning Units and Components* (revision of ANSI/ASME N509-1989 (R1996)) – September 9, 2002.
- IEEE C37.20.1-2002, *Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear* (revision of ANSI/IEEE C37.20.1-1993 (R1998)) – September 10, 2002.
- IEEE 690-1997 (R2002), *Standard for the Design and Installation of Cable Systems for Class 1E Circuits in Nuclear Power Generating Stations* (reaffirmation of ANSI/IEEE 690-1997) – September 10, 2002.
- IEEE 741-2002, *Standard Criteria for the Protection of Class 1E Power Systems and Equipment in Nuclear Power Generating Stations* (new standard) – September 10, 2002.
- UL 864-200x, *Control Units for Fire Protective Signaling Systems* (new standard) – August 19, 2002.

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The following American National Standards have been approved for publication (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):

- ANSI/AISC N690, Supplement 1-2002, *Specification for the Design, Fabrication, and Erection of Steel Safety-Related Structures for Nuclear Facilities* (supplement to ANSI/AISC N690-1994) – July 17, 2002.
- ANSI/API 682-2002, *Shaft Sealing Systems for Centrifugal and Rotary Pumps* (new standard) – July 12, 2002.
- ANSI/ASME B5.51M-1979 (R2002), *Preferred SI Units for Machine Tools* (reaffirmation of ANSI/ASME B5.51M-1979 (R1994)) – June 26, 2002.
- ANSI/ASME PTC 50-2002, *Fuel Cell Power Systems Performance* (new standard) – July 3, 2002.
- ANSI/NSF 60-2002 (i20), *Drinking Water Treatment Chemicals – Health Effects* (revision of ANSI/NSF 60-2000) – June 28, 2002.
- ANSI/SCTE 46-2002, *Test Method for AC to DC Power Supplies* (new standard) – July 3, 2002.
- ANSI/UL 913-2002, *Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations* (new standard) – June 27, 2002.

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 54-4: 1997/prA1, *Fire detection and fire alarm systems – Part 4: Power supply equipment* – for information.
- EN 12477:2001/prA1, *Protective gloves for welders* – November 27, 2002.
- ISO/DIS 9161, *Uranium dioxide powder – Determination of apparent density and tap density* – October 26, 2002.
- ISO/DIS 9606-2, *Qualification test of welders – Fusion welding – Part 2: Aluminum and aluminum alloys* – September 13, 2002.
- prEN 779 REVIEW, *Particulate air filters for general ventilation – Determination of the filtration performance* – for information.
- prEN 13925-1, *Non-destructive testing – X-ray diffraction from polycrystalline and amorphous material – Part 1: General principles* – for information.

- prEN 14492-2, *Cranes – Power driven winches and hoists – Part 2: Power driven hoists* – November 6, 2002.

The following newly published international standards are available:

- IEC 60076-4 Ed. 1.0 b:2002, *Power transformers – Part 4: Guide to the lightning impulse and switching impulse testing – Power transformers and reactors*.
- IEC 60079-10 Ed. 4.0 b:2002, *Electrical apparatus for explosive gas atmospheres – Part 10: Classification of hazardous areas*.
- IEC 60325 Ed. 3.0 b:2002, *Radiation protection instrumentation – Alpha, beta and alpha/beta (beta energy >60 keV) contamination meters and monitors*.
- IEC 60695-1-30 Ed. 1.0 b:2002, *Fire hazard testing – Part 1-30: Guidance for assessing the fire hazard of electrotechnical products – Use of preselection testing procedures*.
- IEC 60846 Ed. 2.0 b:2002, *Radiation protection instrumentation – Ambient and/or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation*.
- IEC 60974-2 Ed. 1.0 en:2002, *Arc welding equipment – Part 2: Liquid cooling systems*.
- IEC 61400-24 TR3 Ed. 1.0 en:2002, *Wind turbine generator systems – Part 24: Lightning protection*.
- IEC 61559-2 Ed. 1.0 b:2002, *Radiation in nuclear facilities – Centralized systems for continuous monitoring of radiation and/or levels of radioactivity – Part 2: Requirements for discharge, environmental, accident, or post-accident monitoring functions*.
- ISO 9934-3:2002, *Non-destructive testing – Magnetic particle testing – Part 3: Equipment*.
- ISO 15708-2:2002, *Non-destructive testing – Radiation methods – Computed tomography – Part 2: Examination practices*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees.

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If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

Institute of Electrical and Electronics Engineers (IEEE)

Office: 445 Hoes Lane
P.O. Box 1331
Piscataway, New Jersey 08855-1331
Fax: (732) 562-1571
Contact: Susan Vogel, s.vogel@ieee.org

- IEEE C2-200x, *National Electrical Safety Code* (will become the 2007 edition) (revision of ANSI/IEEE C2 1943-1990).

National Fire Protection Association (NFPA)

Office: One Batterymarch Park
Quincy, Massachusetts 02269-9101
Fax: (617) 770-3500
Contact: Arthur E. Cote, acote@nfpa.org

- NFPA 900, *Building Energy Code* (new standard).

American Society for Testing and Materials International

Standards activities of the American Society for Testing and Materials International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following newly published standards are available from ASTM:

- A 240/A 240M-02 (Includes change to title), *Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications* – revised standard.

- A 479/A 479M-02, *Specification for Stainless Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels* – revised standard.
- D 3865-02, *Test Method for Plutonium in Water* – revised standard.
- E 162-02, *Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source* – revised standard.
- E 542-01, *Practice for Calibration of Laboratory Volumetric Apparatus* – revised standard.
- E 1828-01, *Practice for Evaluating the Performance Characteristics of Qualitative Chemical Spot Test Kits for Lead in Paint* – revised standard.
- F 1506-02, *Performance Specification For Flame Resistant Textile Materials for Wearing Apparel for Use by Electrical Workers Exposed to Momentary Electric Arc and Related Thermal Hazards* – revised standard.

Comments, Questions, and Addresses

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Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

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Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Amy Bush, ORNL, 865-576-2395, Fax 865-574-8481, bushar@ornl.gov.

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Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-576-2395, bushar@ornl.gov.